

Time-saving semen
processing with a
higher pregnancy rate

HIPPEX

EQUINE SEMEN EXTENDERS

Since 2016



Hippex Equine Semen Extender

Hippex is an equine semen extender for fresh use or for refrigerated transport, with excellent preservation capacity that makes sperm centrifugation unnecessary for most stallions. This means a considerable time saving when preparing diluted sperm, while preventing any loss or damage to sperm cells due to centrifugation.



Hippex Powder

Hippex ingredients are mixed and micronized to a fine powder in controlled conditions. The quality of Hippex powder can be retained for at least 18 months when properly stored in a refrigerator. Hippex powder can easily be shipped all over the world and is supplied through a network of distributors.



Ingredients of Pharmacological Quality

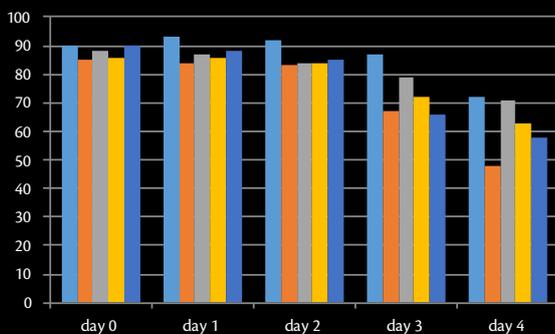
Hippex contains a mixture of shielding proteins, antioxidants and lipids that protect the sperm cells against the damaging effect of temperature shock, prevent sperm cell aggregation, improve motility and stabilize the outer sperm cell wall.



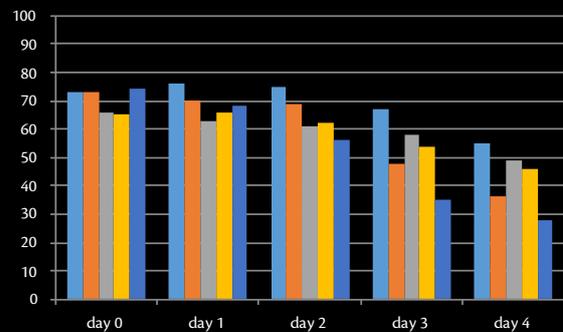
Performance of Hippex

Semen that is diluted in Hippex extender retains acceptable cell motility and viability for at least 3 days. This was found for around 90% of all stallions. Analysis of pregnancy data covering ejaculates of 60 stallions showed a pregnancy rate of 75-80%.

Motility (%)



Progressive motility (%)



Comparative analysis of Hippex and 4 other commercial equine extenders by motility analysis using CASA of diluted semen of a single ejaculate.

■ Hippex ■ INRA96 ■ Spervital (RC) ■ Gent ■ EquiPlus



Scientific Research

Spanish scientists headed by Prof. Manuel Hidalgo from the University of Cordoba and the Spanish Military have investigated Hippex for several in vitro characteristics.

They reported that Hippex is just as effective as BotuSemen and INRA96 (Crespo, F. et al. *Reprod Dom Anim*, 2018, 53(2), 120-121).

The same scientists developed an equine semen vitrification medium based on Hippex, with sugars added as cryoprotectants (Consuegra, C. et al. *Reprod Dom Anim*, 2019, 54, 86-89).



Hippex Quality and Reliability

All Hippex ingredients and product batches are tested for microbial and biochemical quality. Each batch is performance tested in vitro with respect to storage capacity of sperm cells by motion characteristic analysis using the CEROS II CASA system and is tested for viability using the NucleoCounter.



Testimonials

Bart Kools (Paul Schockemöhle Pferdehaltung, Germany): „With the use of Hippex, for 80-90% of our stallions we do not need to centrifuge the semen anymore. This saves us a lot of time and costs. Further, the microscopic view of the sperm cells is much clearer, while the preservation time is longer when compared to other extenders. Finally, the 10-15% higher pregnancy rate that we see when using Hippex instead of other extenders is economically rewarding”.

Tullis Matson (Stallion AI Services, United Kingdom): „We see Hippex as one of the best extenders on the market for stallions with a wide range of fertility. Personally, I am impressed by the initial quality of the semen after processing and a day later”.

Christian Springborg (Helgstrand Dressage, Denmark): „We are very satisfied using Hippex since the extender is easy to prepare, use and store. We use Hippex for a wide range of fertilities. The microscopic view is very bright and clear, which makes it easy to determine the motility. Finally, we found the motility higher over longer periods of time when compared to other semen extenders”.



Hippex powder is available in various package sizes.

Product Launch

Hippex Prime is our newest extender, to be launched early in 2020.

Hippex Prime acts by priming the sperm cells to a protected metabolic rest state to await activation after insemination.

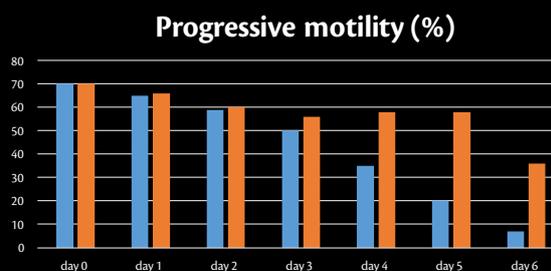
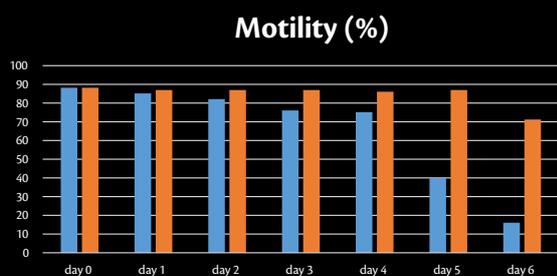
Hippex Prime is an extender with unique characteristics: it is an improved product for fresh use or for refrigerated transport, which is also applicable as a freezing extender and is supplied in powder form.

When it comes to fresh use and refrigerated transport, Hippex Prime is especially suitable for equine sperm that is difficult to preserve, or for prolonging the preservation time of existing extenders.

Hippex Prime can be used as a freezing extender by the addition of a cryoprotectant (e.g. glycerol or dimethylformamide) to the medium.

Hippex Prime is the first commercial freezing extender that is available as a powder. This avoids the transport of frozen liquid products all over the world.

Hippex Prime was developed in cooperation with Ecovatec Solutions, Inc. (Abbotsford, Canada), a company that has developed unique technology to separate high value products from egg yolks.



Comparative analysis of Hippex and Hippex Prime by motility analysis using CASA of diluted semen of a single ejaculate.

■ Hippex
■ Hippex Prime

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